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## Curriculum Vitae

James A. Kweeder, Ph.D.  
Principal Research Engineer  
Honeywell Nylon LLC

### Education:

Rose-Hulman Institute of Technology, Terre Haute, IN: Bachelor of Science, Chemical Engineering

Clarkson University, Potsdam, NY: Master of Science, Chemical Engineering. Thesis:  
*Evaporation Control in Float-Zone Refining of Cadmium Telluride.*

Clarkson University, Potsdam, NY: Doctor of Philosophy, Chemical Engineering. Dissertation:  
*Nucleation Mechanisms in Microcellular Polymer Foams.*

### Publications:

US Patent 6,689,181: *Non-explosive ammonium sulfate nitrate composite materials as fertilizers*, (2004).

*A hypothesis for nucleation in conventional and microcellular foams.* Kweeder, J. A.; Ramesh, N. S.; Rasmussen, D.; Campbell, G. A., Foams '99, International Conference on Thermoplastic Foam, 1st, Parsippany, NJ, United States, Oct. 19-20, 1999 (1999)

*Nucleation mechanisms in microcellular polymer foams.* Dissertation, Kweeder, James A.. Clarkson Univ., Potsdam, NY, USA. (1997),

US Patent 5,414,154: *Reduction of methylbenzofuran impurity in phenol*, (1995),

*An experimental study on the nucleation of microcellular foams in high-impact polystyrene.* Ramesh, N. S.; Kweeder, J. A.; Rasmussen, D. H.; Campbell, G. A., Annual Technical Conference - Society of Plastics Engineers (1992).

*The nucleation of microcellular polystyrene foam.* Kweeder, J. A.; Ramesh, N. S.; Campbell, G. A.; Rasmussen, D. H., Annual Technical Conference - Society of Plastics Engineers (1991),

### Related Experience:

Honeywell (formerly AlliedSignal)  
Research Engineer, Monomer Technology (1991 to 1997)  
Principal Research Engineer, Monomer Technology (1997 to present)

Principal investigator for product and process development for the production of caprolactam (the monomer for Nylon-6) and related co-products and by-products. Chemicals include phenol, acetone, alpha-methyl styrene, cyclohexanone, cyclohexanol, cyclohexanone oxime, ammonium carbonate, ammonium nitrite, hydroxylamine, ammonium sulfate, adipic acid.